DECLARATION FOR PATEN	ATTORNEY'S DOCKET NUMBER							
(Includes Reference to PCT Intern	(Includes Reference to PCT International Applications) 577132000200							
As a below named inventor I here	by declare that:							
	e address and citizenship are as stated be	low next to my name,						
•	al, first and joint inventor of the subject r		which a patent is sought on the					
	VERCOMPLETE BASIS TRANSFO ND APPARATUS FOR VIDEO COM		ESIDUAL FRAME CODING					
the specification of whi	th (check only one item below):							
☐ is attach	ed hereto.							
☐ was file	as United States application							
Ser on.	ial No.							
🗷 was file	as PCT international application							
	mber PCT/CA2004/000464 March 29, 2004.							
amended by any amend								
I acknowledge the duty Title 37 Code of Federa	to disclose information which is material Regulations § 1.56(a) and (b).	to the examination of this appli	cation in accordance with					
inventor's certificate or America listed below an international application	riority benefits under Title 35 United Stat of any PCT international application(s) d d have also identified below any foreign (s) designating at least one country other filing date before that of the application(s	esignating at least one country of application(s) for patent or inve- than the United States of American	other than the United States of intor's certificate or any PCT					
PRIOR FOREIGN/PCT APPLI	CATION(S) AND ANY PRIORITY C	LAIMS UNDER 35 U.S.C. § 1	119:					
COUNTRY (if PCT indicate "PC"	APPLICATION NU	MBER DATE OF FILING	PRIORITY CLAIMED UNDER 35 U.S.C. § 119					
CANADA	2,423,618	March 28, 2003	☑ YES ☐ NO					
			□ YES □ NO					
			☐ YES ☐ NO					
			☐ YES ☐ NO					
			☐ YES ☐ NO					

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							ATTORNE	r'S DOCKET NUMBER		
Declaration for Patent Application (Continued) Includes Reference to PCT International Applications)							577132			
	I hereby clair designating the not disclosed acknowledge	n the benefit he United Sta in that/those the duty to	under Title ates of Amer prior applications applications	35, United State rice that is/are list cation(s) in the merial information(s) and the nation	s Code, § 120 of any United below and, insofar as nanner provided by the fin as defined in Title 37, Conal or PCT international states.	rst paragraph of Code of Federal filing date of th	f Title 35, Regulation is applicati	United States Code, § ns, § 1.56(a) which oc on:	112.1	
	the filing date	e of the prior	application	TEDNATION	AL APPLICATIONS D	ESIGNATIN	G THE U.	S. FOR BENEFIT		
PRIO	R U.S. APPLI R 35 U.S.C. §	CATIONS 1 120:	OK PC I IP	I ERIMI ION	THE CALL MOUNTAINS					
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PCT	APPLICATION	ACIAIDEK			ASSIGNED (if any)					
			<u></u>	ton Thomaku can	point the following attorne	v(s) and/or age	nt(s) to pro	secute this application	and	
transa	ct all business	in the Patent	and i raden	INTE CHIEF COM	cica the continuo	e and registratio	n number)			
Att	orney at Morr	ison & Foer	ster LLP, C	ustomer NO. 25	225			Direct telephon	re calls	
Send	corresponde	nce to: A	ttorney: G	regory P. Einho	orn		1	Gregory P. Ein	horn.	
		M 11	iorrison & F 2531 High I	oerster (13) Bluff Drive, Suit	te 100			(858) 720-5133		
		S	an Diego, C					COND GIVEN NAME		
201	FULL NAME OF INVENTOR	FAMILY NAME XIONG			PIRST GIVEN NAME YI					
	RESIDENCE &	CITY Burnaby			STATE OR FOREIGN COUNT British Columbia, (RY Canada	lò	SUNTRY OF CITIZENSHIP Thina		
	POST OFFICE	POST OFFICE A	DDRESS Rumble Stre	·rt	CITY Burnaby	CITY		STATE & ZIP CODE/COUNTRY British Columbia, V5E 4L4 Canada		
	ADDRESS	#33-00/U		····	FIRST GIVEN NAME		SI	COND GIVEN NAME		
202	FULL NAME OF INVENTOR	SAUER			Mark STATE OR FOREIGN COUNT	RY		OUNTRY OF CITIZENSHIP		
	RESIDENCE & CITIZENSHIP	Vancouve	r		British Columbia, C	Canada	- 5	Canada STATE & ZIP CODE/COUNTRY		
	POST OFFICE ADDRESS		Vest 15th A	venue	Vancouver		E	British Columbia, V6	K 2Y8 Canada	
203	FULL NAME OF INVENTOR	FAMILY NAME WANG			FIRST GIVEN NAME Meng		1	OUNTRY OF CITIZENSHIP		
	RESIDENCE &	Vancouve			STATE OR FOREIGN COUNT British Columbia,	RY Canada	0	China		
	POST OFFICE	POST OFFICE	DORESS		Vancouver	STATE & ZIP CODE/COUNTRY British Columbia, VS2		Z 3T6 Canada		
204	ADDRESS FULL NAME	3027 Laur			FIRST GIVEN NAME Peter		S	ECOND GIVEN NAME		
••	OF INVENTOR RESIDENCE &	KOAT			STATE OR FOREIGN COUNT	RY Canada) ·	OUNTRY OF CITIZENSHIP		
i	CITIZENSHIP	Surrey POST OFFICE	ADDRESS		British Columbia, (Callaua	- 5	TATE & ZIP CODE/COUNTRY British Columbia, V3	W 1M5 Canada	
	POST OFFICE ADDRESS	1 44 6533 1	"In Ctreat		Surrey	and that all a				
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	-unichable	by fine or in	nnrisonment	or both, under	section look of the to c	of the United St	ates Code,	and that such willful i	talse statements	
	may jeopar	dize the vali	dity of the a	pplication or any	patent issuing thereon. OF INVENTOR 202			RE OF INVENTOR 203		
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PATENT Serial No. 10/551,359

Serial	No.	10/551,359
Atty. Docket No.		
RNEY'S DOCKET NU	MBER	

DECLARATION FOR PATENT APPLICATION	,	ATTORNEY'S DOCKET NUMBER			
(Includes Reference to PCT International Application		577132000200			
			<u> </u>		
As a below named inventor I hereby declare that:					
My residence, post office address and citize	enship are as stated below nex	t to my name,			
I believe I am the original, first and joint in invention entitled:	ventor of the subject matter w	hich is claimed and for w	which a patent is sought on the		
TITLE: OVERCOMPLETE METHOD AND APPARATUS	BASIS TRANSFORM-E FOR VIDEO COMPRESS	SASED MOTION RE	SIDUAL FRAME CODING		
the specification of which (check only one	item below):				
is attached hereto.					
☐ was filed as United States a	pplication				
Serial No. on.					
was filed as PCT internation	nal application				
Number PCT/CA2004/ on March 29, 2004.	/000464				
I hereby state that I have reviewed and unde amended by any amendment referred to about acknowledge the duty to disclose informat Title 37 Code of Federal Regulations § 1.56 I hereby claim foreign priority benefits unde inventor's certificate or of any PCT international America listed below and have also identificate international application(s) designating at less subject matter having a filing date before that	ion which is material to the extended and (b). Tritle 35 United States Code ional application(s) designating below any foreign applications of the application(s) of which the application(s) of which the application (s)	§ 119 of any foreign applica § 119 of any foreign appling at least one country oth on(s) for patent or invent United States of America th priority is claimed:	dication in accordance with dication(s) for patent or her than the United States of or's certificate or any PCT a filed by me on the same		
PRIOR FOREIGN/PCT APPLICATION(S) AND	ANY PRIORITY CLAIMS	UNDER 35 U.S.C. § 11	9:		
COUNTRY (if PCT indicate "PCT")	APPLICATION NUMBER	DATE OF FILING	PRIORITY CLAIMED UNDER 35 U.S.C. § 119		
CANADA	2,423,618	March 28, 2003	☑ YES ☐ NO		
			☐ YES ☐ NO		
			☐ YES ☐ NO		
			☐ YES ☐ NO		
			☐ YES ☐ NO		

PATENT Serial No. 10/551,359 Atty. Docket No. 577132000200

Decis	Declaration for Patent Application (Continued) ATTORNEY'S DOCKET NUMBER									
(Includes Reference to PCT International Applications) 577132000200										
I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:										
	OR U.S. APPI ER 35 U.S.C.	LICATIONS	OR PCT II	TERNATION	AL APPLICATIONS I	ESIGNATIN	G THE U.	s. For Benefit		
			S. APPLICA	ATIONS			STA	ATUS (Check one)		
	U S APPLIC	ATION NUMBE	R	US	FILING DATE	PATENT	ED	PENDING	ABANDONED	
		m + pp/ (0.43	TONE DEC	IGNATING TH	Elle		STA	TUS (Check one)	<u> </u>	
D^	PC T APPLICATION			LING DATE	U S SERIAL NUMBERS	PATENT		PENDING	ABANDONED	
	1 ATTENCATION				ASSIGNED (if any)				<u> </u>	
									 	
	en or item	DNEV. Ass.	and inve	tou I hereby enn	oint the following attorne	vis) and/or east	it(e) to pro-	ecute this application	l and	
trans	act all busines:	in the Patent	and Tradem	ark Office conne	cted therewith. (List name	and registration	n number)	ceate this approach		
A	tomey at Mor	rison & Faers	ter LLP, Cu	stomer NO. 252	225	· · · · · · · · · · · · · · · · · · ·				
Send	l corresponde		ttorney: Gr orrison & F	egory P. Einho	rn			Direct telephor Gregory P. Ein		
				luff Drive, Suite	100			(858) 720-5133		
		Sa I FAMILY NAME	n Diego, C	A 92130	FRST GIVEN NAME			OND GIVEN NAME		
201	FULL NAME OF INVENTOR	XIONG			Yi STATE OR FOREIGN COUNTR					
	RESIDENCE & CITIZENSHIP	Burnaby			British Columbia, Canada		Cr	JNTRY OF CITIZENSHIP I i na		
	POST OFFICE ADDRESS	#53-6670 R	opress Lumble Street	;t	Euraby		Br	British Columbia, V5E 4L4 Canada		
202	FULL NAME OF INVENTOR	FAMILY NAME SAUER			FIRST GIVEN NAME Mark		sec	OND GIVEN NAME		
	RESIDENCE &	Vancouver			British Columbia, Canada		1 -	INTRY OF CITIZENSHIP Nada		
	POST OFFICE ADDRESS	#3-2386 W		nue	Vancouver			STATE & ZIP CODE/COUNTRY British Columbia, V6K 2Y8 Canada		
203	PULL NAME	FAMILY NAME	cat i atti Arri		FIRST GIVEN NAME			OND GIVEN NAME		
	RESIDENCE &	WANG			Meng STATE OR FOREIGN COUNTR		COUNTRY OF CITIZENSHIP China			
	POST OFFICE	POST OFFICE AD			British Columbia, Co	andua	STATE & ZIF CODE/COUNTRY			
204	ADDRESS FULL NAME	3027 Laure	Street		Vancouver FIRST GIVEN NAME	***************************************	British Columbia, V5Z 3T6 Canad			
	OF INVENTOR RESIDENCE &	KOAT			Peter STATE OR POREIGN COUNTRY			INTRY OF CITIZENSHIP		
	POST OFFICE	SUFFCY POST OFFICE AD	DRESS		British Columbia, Ca	inada	STA	nada Te & ZIP CODE/COUNTRY		
	ADDRESS	#4-6533 12			Surrey			tish Columbia, V3W		
					own knowledge are true vere made with the knowl					
	punishable	by fine or imp	risonment, o	or both, under see	ction 1001 of Title 18 of					
may jeopardize the validity of the application or any SIGNATURE OF INVENTOR 201 SIGNATURE			signaturator			SIGNATURE	OF INVENTOR 203			
			DATE 2.2	Wayn.		DATE				
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SIGNA.	TURE OF INVENTO	JR 204				ĺ				
DATE				-						

PATENT
Serial No. 10/551,359
Atty. Docket No. 577132000200
ATTORNEYS DOCKET NUMBER

(Includes Reference to PCT International Applications) 577132000200								
As a below named inven								
My residence, post office address and citizenship are as stated below next to my name,								
I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:								
TIT ME	LE: OVERCOMPLETE THOD AND APPARATUS	BASIS TRANSFORM-BA FOR VIDEO COMPRESSI	ASED MOTION RES ION	SIDUAL FRAME CODING				
the specification	on of which (check only one it	tem below):						
	is attached hereto.							
	was filed as United States ap	pplication						
	Serial No. on.							
医	was filed as PCT internation	nal application						
	Number PCT/CA2004/on March 29, 2004.	000464						
amended by a I acknowledge Title 37 Code I hereby claim inventor's cen America listed international a subject matter	that I have reviewed and underly amendment referred to about the duty to disclose information of Federal Regulations § 1.56 foreign priority benefits unde ifficate or of any PCT international below and have also identified pplication(s) designating at least having a filing date before the TAPPLICATION(S) AND	ve. ion which is material to the ex (a) and (b). r Title 35 United States Code onal application(s) designatin d below any foreign applicati ast one country other than the at of the application(s) of whice	§ 119 of any foreign app g at least one country of on(s) for patent or invent United States of Americ th priority is claimed:	ation in accordance with olication(s) for patent or ner than the United States of tor's certificate or any PCT a filed by me on the same				
			1	PRIORITY CLAIMED				
	OUNTRY ndicate "PCT")	APPLICATION NUMBER	DATE OF FILING	UNDER 35 U.S.C. § 119				
CANADA		2,423,618	March 28, 2003	🗷 YES 🔲 NO				
				☐ YES ☐ NO				
				☐ YES ☐ NO				
				☐ YES ☐ NO				
			<u> </u>					

Declar	ation for Pat	ent Applicat	ion (Contin	ued)			ATTORNEY'S DOCKET NUMBER		
Declaration for Patent Application (Continued) (Includes Reference to PCT International Applications) 577132000200									
	I hereby claim the benefit under Title 35, United States Code. § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:								
PRIO	R U.S. APPL ER 35 U.S.C.	ICATIONS	OR PCT IN	TERNATION.	AL APPLICATIONS I	DESIGNATIN	G THE U.	S. FOR BENEFIT	
			S. APPLICA	ATIONS				ATUS (Check one)	T
	U S APPLICA	TION NUMBE	R	USI	ILING DATE	PATENT	ED	PENDING	ABANDONED
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				IGNATING TH	E U.S. U S SERIAL NUMBERS	PATEN		PENDING	ABANDONED
PCT	APPLICATION	NUMBER	PCT FI	LING DATE	ASSIGNED (if any)	77,50			<u> </u>
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POW	ER OF ATTO	RNEY: As a	named inven	tor, I hereby app	oint the following attorne cted therewith. (List nam	ey(s) and/or age:	nt(s) to pro: n number)	secute this application	and
transi	ect all business	in the Patent	ster LLP Ci	stomer NO. 252	225				
	corresponde			regory P. Einho				Direct telephor	
Sena	corresponde	M	forrison & F	oerster up				Gregory P. Ein (858) 720-5133	
				Sluff Drive, Suite	e 100			(0,0) /20 3:00	
		SAMILY NAME	an Diego, C	A 92130	PIRST GIVEN NAME		SE	COND GIVEN NAME	
201	FULL NAME OF INVENTOR	XIONG			YI STATE OR FOREIGN COUNT	RY	COUNTRY OF CITIZENSHIP		
	RESIDENCE & CITIZENSHIP	Burnaby			British Columbia, C	British Columbia, Canada		hina ATE & ZIP CODE/COUNTRY	
	POST OFFICE ADDRESS #53-6670 Rumble Street Burnaby				British Columbia, V5E 4L4		E 4L4 Canada		
202	FULL NAME	FAMILY NAME			FIRST GIVEN NAME Mark	SECOND GIVEN NAME			
	OF INVENTOR RESIDENCE &	SAUER			STATE OR FOREIGN COUNTRY British Columbia, Canada		1	UNTRY OF CITIZENSHIP	
	CITIZENSHIP	Vancouver POST OFFICE A					51	Canada STATE & ZIP CODE/COUNTRY	
	POST OFFICE ADDRESS	#3-2386 W	est 15th Av	enue	Vancouver FIRST GIVEN NAME		B	ritish Columbia, V6	K 2Y8 Canada
203	FULL NAME OF INVENTOR	FAMILY NAME WANG			Meng STATE OR FOREIGN COUNT	9 V	1	OUNTRY OF CITIZENSHIP	
	RESIDENCE & CITIZENSHIP	City Vancouver			British Columbia, (C	hina	
	POST OFFICE	POST OFFICE A 3027 Laure	DORESS		Vancouver		В	ATE & ZIP CODE/COUNTRY ritish Columbia, VS	Z 3T6 Canada
204	FULL NAME	FAMILY NAME			FIRST GIVEN NAME Peter			COND GIVEN NAME	
	OF INVENTOR RESIDENCE &	KOAT			STATE OR FOREIGN COUNT British Columbia, (OUNTRY OF CITIZENSHIP	
	POST OFFICE	SUITEY POST OFFICE A			CITY	_uiqua	ST	ATE & ZIP CODE/COUNTRY	V IMS Canada
<u></u>	ADDRESS	#4-6533 12	21st Street		Surrey	a and that all at		ritish Columbia, V31	
	Latingard to	hatere and	firther that I	hece statements	y own knowledge are tru were made with the know	wiedge that will	rui taise sti	stements and the like	so made are
	nunishable	by fine or im	prisonment,	or both, under se	ection 1001 of Title 18 o	f the United Sta	ites Code, a	and that such willful f	alse statements
may jeopardize the validity of the application or any			patent issuing thereon. or inventor 202		SIGNATIO	E OF INVENTOR 203			
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